

4259

Diag. Chart No. 8152-1

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

U. S. S. SURVEY

L. A. A.

APR 11 1923

State: *Alaska*

Acc. No.

11-5413

DESCRIPTIVE REPORT.

4259

Hyd. Sheet No.

LOCALITY:

West Coast Prince of Wales I.

South + West Coasts of Noyes I.

1922.

CHIEF OF PARTY:

T. J. Maher

9300424

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SMOOTH SHEET of NOYES ISLAND

S. E. ALASKA.

Scale 1:20000

U.S.S. SURVEYOR - T.J. Maher, Chief of Party.

June 15 to July 12

1922

Descriptive Report to accompany Hydrographic Smooth Sheet of Noyes Island,
S. E. Alaska.

LIMITS of SHEET.

This sheet includes a hydrographic survey of the South and West coasts of Noyes Island from \odot Ate on the South Coast to Δ Supple on the West coast.

GENERAL DESCRIPTION of COAST.

The South and West coasts of Noyes Island are rocky with the exception of the head of Roller Bay which lies South and East of Δ Supple, and the small bay South and East of \odot Bet. At the heads of these two bays the shore is of fine sand. The land rises abruptly back from the shore line and is heavily timbered.

LANDMARKS.

700 30' 20"
The cliffs on Cape Addington are the single but very conspicuous landmark on this coast. These cliffs are on both the Northwest and Southwest sides of Cape Addington, rise to an elevation of 500 feet, are treeless, reddish brown in color and can be seen for a long distance out to sea. These cliffs are situated between \odot Sic and \odot Pil on the West coast, and between \odot Be and \odot Pin on the East coast of Cape Addington. Also at \odot Ex on the South coast and opposite \odot Top on the North coast of Cape Addington.

DANGERS.

There are two rocks in Roller Bay which bare at minus tides only, situated 558 meters and 624 meters 233° true from \odot Ant. There is a sunken rock which breaks in a heavy swell 314 meters 351° (true) from Δ Pete. East and South of this rock to the shore, the water is foul with numerous sunken rocks and rocks which bare at various stages of the tide as shown on the sheet. A rock which bares at half tide lies 258 meters 297° (true) from Δ Roller; a rock which bares at three quarter tide lies 156 meters 312° (true) from \odot Bet; and a group of rocks which are awash at high tide lie 602 meters 307° (true) from \odot Cry. Between this group of rocks and the point on which \odot Cry is situated the water is foul, there being several rocks which bare at various stages of the tide. South of \odot Sic the water is extremely foul, numerous rocks sticking above the surface of the water at all stages of the tide and several rocks which bare at various stages of the tide.

DEPTHS and CHARACTER of BOTTOM.

Along the South coast of Noyes Island, a depth varying from 10 fathoms close to shore to 50 fathoms near Cape Addington was obtained. The bottom was very uniform being principally of sand and gravel with some occasional rocks. In the vicinity of Cape Addington the bottom was principally rocky. Due West of Δ Dizzy on Cape Addington a depth of 49 fathoms was obtained 0.9 miles offshore, the depth decreasing Northward, a depth of 27 to 40 fathoms being obtained at the entrance to Roller Bay. The character of

the bottom along the West coast is quite similar to that of the South coast of Noyes Island, being generally of sand or gravel with some rock. All depths less than that obtained about them were closely developed, but no critical depths were found.

ANCHORAGES.

There is no suitable anchorage on this sheet. The large bay known as Reller Bay is exposed to sea and wind from the Northwest, Southwest and Southeast, making anchorage here impossible. There is a small bay South of Reller Bay, and South and East of O Bet, which has a depth of from 5 to 8 fathoms with sand bottom. Small boats at times anchor here in very calm weather but as this Bay is exposed to the Northwest and Southwest, anchorage here is impossible in any heavy weather.

CURRENTS and TIDE RIPS.

Along the West coast of Noyes Island the tidal current runs North and South with the change of tide. In the vicinity of Cape Addington there are heavy tide rips, and in the vicinity of O Bet moderate tide rips, when the current is running in the opposite direction to a strong wind and heavy swell.

Respectfully submitted,

A. G. Katz

A. G. Katz,

H. and G. Engineer.

HYDROGRAPHIC STATISTICS

Sheet No. 3, South and West coasts of Noyes Island.

Date	Letter	Volume	Positions	Soundings	Miles	Vessel
					statute	
1922						
June 15	a	1	59	91	5.5	COSMOS
" 16	b	1	136	265	18.5	"
" 17	c	1	71	138	9.6	"
" 20	d	1	136	266	17.4	"
" 21	e	2	154	303	19.8	"
" 22	f	2	117	224	16.1	"
" 23	g	2	168	330	20.1	"
" 24	h	3	78	149	9.0	"
" 26	i	3	104	201	13.0	"
" 27	j	3	180	345	22.6	"
" 28	k	3-4	328	223	12.6	"
" 29	m	4	152	304	15.3	"
" 30	n	4	168	321	18.5	"
July 1	p	4	20	34	1.9	"
" 6	q	5	10	18	1.2	"
" 8	r	5	94	185	9.0	"
" 11	s	5	59	113	5.0	"
" 12	t	5	46	77	3.7	"
Total			1860	3587	218.8	

Hyd Sheet No 4259

Nothing of importance was developed in the verification of this sheet.

The sheet was well protracted by the field party but the holes in the paper at positions are unnecessarily large and have not been carefully inked. Not enough position ^{numbers} have been shown and most of those shown are much too large. About half the position numbers are not properly oriented.

The names of many of the signals have been printed too far away from the signals to which they belong.

R L Johnston

C.H.C.

COPY TO FIELD RECORDS.

April 20, 1925.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
volumes of sounding records for

HYDROGRAPHIC SHEET 4259

Locality: **Noyes Island, Alaska**

Chief of Party: **T. J. Maher in 1922**

Plane of reference is **mean lower low water, reading**
2.8 ft. on tide staff at Steamboat Bay

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

T. J. Hammer
Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

June 20, 1923.

Section of Field Records

Report on Hydrographic Sheet No. 4259

South and West Coasts of Noyes Island

Surveyed in 1922.

Chief of Party, T. J. Maher.

Instructions dated Feb. 25, 1922.

Surveyed by A. G. Katz.

Protracted by H. L. Bloomberg.

Soundings plotted by J. D. Torrey.

Verified and inked by R. L. Johnston.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of development fulfill the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The information is sufficient for drawing the usual depth curves.
6. The protracting only was done by the field party.
7. The junctions with adjacent sheets are satisfactory.
8. No further surveying is required within the limits of the sheet.
9. The character and scope of the surveying and field drafting are excellent.
10. Reviewed by E. P. Ellis, June, 1923.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4259

State . ALASKA

General locality . W. Coast, Prince of Wales Island.
~~SOUTHEASTERN ALASKA~~

Locality SOUTH AND WEST COASTS OF NOYES ISLAND.

Chief of party . . T.J. Maher

Surveyed by . . . A.G. Katz

Date of survey . . JUNE 15 to JULY 12, 1922.

Scale 1:20000

Soundings in fathoms

Plane of reference Mean lower low water

Protracted by H.L.B. . . Soundings in pencil by

Inked by Verified by

Records accompanying sheet (check those forwarded):

Des. ~~report~~ report, xx Tide books, xx Marigrams, 1 Boat sheets,

5 Sounding books, xx Wire-drag books, xx Photographs.

Data from other sources affecting sheet

Remarks:

Sheet #3 - Ship 722.